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(54) PRODUCTION OF ELASTIC WOVEN FABRIC

(57)Abstract:

PURPOSE: To obtain elastic woven fabric having high extensibility and high recovery of extensibility by weaving yarn using latently crimping conjugate type polyester yarn capable of developing specific crimping performance as warp and/or weft and weaving.

CONSTITUTION: Multifilament or yarn such as spun yarn comprising latently crimping conjugate polyester yarn developing crimp such as spiral crimp caused by difference in boil water shrinkage between a first component having crimping performance having $\geq 70\%$ modulus of elasticity and $\geq 50\%$ crimp ratio 30 minutes after boiling water treatment and a second component is formed. The yarn is used as warp and/or weft and woven to give woven fabric, which is subjected to 5-40% alkali weight loss treatment, dyed and finished under a condition of providing wet heat at 100°C for ≥ 30 minutes and crimp having the crimping performance is developed in the latently crimping conjugate type polyester yarn constituting the woven fabric to supply the woven fabric with elasticity.